



GENERAL NOTES: (USE SQUARE D EQUIPMENT OR APPROVED EQUAL)

1. SERVICE DISCONNECT SWITCH CAT *H224NRB
2. MANUAL TRANSFER SWITCH CAT *DTU323NRB
3. EG DISCONNECT SWITCH CAT *H223NRB
4. EG RECEPTACLE - COORDINATE WITH SSC TO ORDER RECEPTACLE TO MEET EXISTING PORTABLE EG.
5. SPD (SURGE PROTECTION DEVICE) - CAT *120-2S-M1-3-06-A-H, FOR SERVICE ENTRANCE.
6. POWER DISTRIBUTION BLOCK - NSI INDUSTRIES, LLC OR EQUAL 600 VAC OR EQUAL TO MEET THIS APPLICATION.
7. PAPI DISCONNECT SWITCH CAT *H222NRB
8. GS DISCONNECT SWITCH CAT *H223NRB
9. PROVIDE DOUBLE LUG TO CONNECT SPD TO A DISCONNECT SWITCH OR AT POWER DISTRIBUTION BLOCK.
10. ALL ELECTRICAL WORKS SHALL BE IN COMPLIANCE WITH CURRENT NEC AND FAA-STD-19e.
11. ALL GROUNDING AND BONDING WORKS SHALL BE IN COMPLIANCE WITH FAA-STD-19e, 1217e, AND 1391.
12. A CONTRACTOR SHALL COORDINATE WITH LOCAL SSC TO VERIFY THE LOCATION OF THE 2.4KV UNDERGROUND LINE PRIOR TO TRENCHING/DIGGING NEW DUCT.
13. LABELING CIRCUITS AND COLOR CODE PER FAA-STD-1217f.
14. ALL WIRING (POWER) SHALL BE THWN/THWN-2 PER FAA-STD-1217f.
15. PROVIDE NAME PLATE FOR ALL ELECTRICAL BOXES INCLUDING, BUT NOT LIMITED TO, PANELBOARD, DISCONNECT SWITCH, SPD, J-BOX AS NOTED IN SECTION 4.16.1 (FAA-STD-1217f).
16. SPD CAN BE INSTALLED IN-LINE CONNECTION PER VENDOR RECOMMENDATIONS.
17. PROVIDE 35' CABLE AND EG PLUG CAT *HBL4200PS2WR 3P4W 200AMP TO MATCH THE EG RECPTACLE CAT *HBL4200RS2WR.

LEGEND NOTES:

- GROUND BUS BAR - COPPER BUS
- INSULATED NEUTRAL BUS - COPPER BUS
- MAIN GROUNDING JUMPER
- GROUND TO EES
- SPD SURGE PROTECTIVE DEVICE

FOR OFFICIAL USE ONLY PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552					
REV	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION ATO - TECHNICAL OPERATIONS WESTERN SERVICE AREA					
GS RUNWAY 28L ELECTRICAL ONE LINE DIAGRAM POWER RACK					
PORTLAND			PORTLAND INTERNATIONAL AIRPORT		
REVIEWED BY	SUBMITTED BY	APPROVED BY		OR	
PROJECT ENGINEER		ISSUED BY		MCR: ENGINEERING SEATTLE	
DESIGNED		ENGINEERING SERVICES NAV AID		DATE 2-26-10 JCN	
DRAWN				DRAWING NO	
CHECKED				PDX-D-GS28L-E001	

FOR CONSTRUCTION